DAC Industries, Inc.
Safety Data Sheet

1. Identification

Product name: All Purpose Foam

Product code: DAC-104

Recommended use: Cleaning product

Restrictions on use: None known

Supplier: DAC Industries, Inc.
1636 Gervais Avenue - Suite 9
Maplewood, MN 55109, USA
T +1 (651) 748-1750

Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US),
1-703-527-3887 (Outside the US),
Chemtrec - Mexico 01-800-681-9531

Issue date: 03/01/2023

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Flammable aerosol Category 1 Gases under pressure Compressed gas	Skin corrosion/irritation Category 2 Eye irritation Category 2 Skin sensitization, Category 1 Carcinogenicity Category 2 Reproductive toxicity Category 2 Specific target organ toxicity (repeated exposure) Category 2

GHS US labeling:

Danger!

Hazard statements (GHS US)	Precautionary statements (GHS US)
H222 - Extremely flammable aerosol H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs (respiratory tract)	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Pressurized container: Do not pierce or burn, even

through prolonged or repeated exposure (Inhalation)	after use. P260 - Do not breathe mist, spray. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves, protective clothing, eye protection. P302+P352 - If on skin: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P308+P313 - If exposed or concerned: Get medical advice/attention. P314 - Get medical advice/attention if you feel unwell. P405 - Store locked up. P410+P403 - Protect from sunlight. Store in a well-ventilated place. P412 - Do not expose to temperatures exceeding 50 °C/ 122 °F. P501 - Dispose of contents/container to an approved waste disposal plant.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	111-76-2	1-5
Isobutane	75-28-5	1-5
D-Limonene	5989-27-5	1-5
Tetrasodium EDTA	64-02-8	1-5
Triethanolamine	102-71-6	< 2
Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9	< 2
2,2'-iminodiethanol, diethanolamine	111-42-2	< 2

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

4. First-aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Skin: Wash skin with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Ingestion is not considered a potential route of exposure. Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

Symptoms/effects: Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. May cause damage to organs respiratory system (inhalation). Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Immediate medical attention and special treatment, if necessary: None under normal conditions.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. Cool down the containers exposed to heat with a water spray.

Unsuitable extinguishing media: None.

Fire hazard: Extremely flammable aerosol. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated.

Special protective equipment and precautions for fire-fighters: Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition. Do not breathe aerosol. Avoid contact with eyes, skin and clothing.

Methods and material for containment and cleaning up: Collect spillage. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Do not breathe vapors. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Handle in accordance with good industrial hygiene and safety procedures.

Storage conditions: Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. U.F.C. (NFPA 30B) Level III Aerosol.

8. Exposure controls/personal protection

Exposure guidelines:	
Tetrasodium EDTA	None established.
Isobutane	1000 ppm (EX - Explosion hazard) STEL ACGIH TLV;
D-Limonene	None established.
2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	240 mg/m³ TWA OSHA PEL; 50 ppm TWA OSHA PEL; 20 ppm TWA ACGIH TLV;
Triethanolamine	5 mg/m³ TWA ACGIH TLV;

Amides, coco, N,N-bis(hydroxyethyl)	None established.
2,2'-iminodiethanol, diethanolamine	1 mg/m³ (IFV - Inhalable fraction and vapor) TWA ACGIH TLV;

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Aerosol spray can.

Physical state : Liquid

Color : Brown

Odor : Mild odor

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : < -104 °C (-155.2 °F)

Relative evaporation rate (butyl acetate=1) : No data available

Flammability : Extremely flammable aerosol.

Vapor pressure : No data available

Relative vapor density at 20°C : No data available

Relative density : < 1

Solubility : Not miscible.

Partition coefficient n-octanol/water (Log Pow) : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : ≥ vol %
Lower explosion limit: 1.8 vol % Propellant gas
Upper explosion limit: 15 vol % Propellant gas

Explosive properties : No data available

Oxidizing properties : No data available

No additional information available

10. Stability and reactivity

Reactivity: Extremely flammable aerosol.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials : Strong oxidizing agents. Acids. Strong bases. Strong reducing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause respiratory irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Eyes: Causes serious eye irritation.

Ingestion: Ingestion is not considered a potential route of exposure.

Chronic symptoms: May have damaging effect on the respiratory system. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Carcinogenicity:	Suspected of causing cancer.
Amides, coco, N,N-bis(hydroxyethyl):	IARC 2B - Possibly carcinogenic to humans;
2,2'-iminodiethanol, diethanolamine:	IARC 2B - Possibly carcinogenic to humans;
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	Suspected of damaging fertility or the unborn child.

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Tetrasodium EDTA	1780 mg/kg LD50 oral rat
Isobutane	> 20000 ppm/4h LC50 Inhalation - Rat [ppm]
D-Limonene	> 2000 mg/kg bodyweight LD50 oral rat; > 5000 mg/kg LD50 dermal rabbit
2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	1414 mg/kg LD50 oral; 1746 mg/kg LD50 oral rat; > 2000 mg/kg LD50 dermal rat
Triethanolamine	6400 mg/kg LD50 oral rat; > 2000 mg/kg LD50 dermal rabbit
Amides, coco, N,N-bis(hydroxyethyl)	12200 mg/kg LD50 oral rat
2,2'-iminodiethanol, diethanolamine	1600 mg/kg LD50 oral rat
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.

STOT-single exposure	Not classified
STOT-repeated exposure	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).
Aspiration hazard	Not classified

12. Ecological information

Ecology - general: Harmful to aquatic life with long lasting effects.

Ecotoxicity:

Tetrasodium EDTA	140 mg/l Daphnia magna (Water flea) EC50 – Crustacea > 60 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae 25 mg/l Daphnia magna Duration: '21 d' NOEC (chronic); ≥ 25.7 mg/l Danio rerio (previous name: Brachydanio rerio) Duration: '35 d' NOEC chronic fish
D-Limonene	720 µg/l Pimephales promelas (Fathead minnow) LC50 - Fish 0.36 mg/l Daphnia magna (Water flea) EC50 - Crustacea ≈ 8 mg/l Desmodesmus subspicatus EC50 72h - Algae 0.115 mg/l Daphnia magna (Water flea) NOEC (chronic) 0.08 mg/l NOEC chronic fish
2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	1474 mg/l Oncorhynchus mykiss (Rainbow trout) LC50 - Fish ≈ 1800 mg/l Daphnia magna (Water flea) EC50 - Crustacea 911 mg/l Pseudokirchneriella subcapitata EC50 72h – Algae 100 mg/l Daphnia magna (Water flea) NOEC (chronic) > 100 mg/l Danio rerio (Zebrafish) NOEC chronic fish
Triethanolamine	11800 mg/l Pimephales promelas (Fathead minnow) LC50 - Fish 609.88 mg/l Ceriodaphnia dubia EC50 – Crustacea 512 mg/l Desmodesmus subspicatus EC50 72h – Algae > 1 mg/l NOEC chronic fish
Amides, coco, N,N-bis(hydroxyethyl)	3.6 mg/l Danio rerio (Zebrafish) LC50 - Fish 2.15 mg/l Daphnia magna (Water flea) EC50 – Crustacea
2,2'-iminodiethanol, diethanolamine	460 mg/l Oncorhynchus mykiss (Rainbow trout) LC50 – Fish 30.1 mg/l Ceriodaphnia dubia EC50 – Crustacea 89.9 mg/l Ceriodaphnia dubia EC50 - Crustacea 9.5 mg/l Pseudokirchneriella subcapitata EC50 72h - Algae 0.78 mg/l Daphnia magna (Water flea) NOEC (chronic) > 1 mg/l freshwater fish NOEC chronic fish

Persistence and degradability:	No data available
Tetrasodium EDTA:	Not readily biodegradable.
Bioaccumulative potential:	No data available
Mobility in soil:	No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

Additional information: Empty containers retain product residue and can be hazardous.

14. Transport information

Department of Transportation (DOT)

Proper Shipping Name (DOT) : Aerosols
UN-No.(DOT) : UN1950
Class (DOT) : 2.1
Packing group (DOT) : Not applicable
Hazard labels (DOT) : Flammable gas

Transport by sea

Proper Shipping Name (IMDG) : AEROSOLS
UN-No. (IMDG) : 1950
Class (IMDG) : 2
Packing group (IMDG) : Not applicable

Air transport

Proper Shipping Name (IATA) : Aerosols, flammable
UN-No. (IATA) : 1950
Class (IATA) : 2
Packing group (IATA) : Not applicable

15. Regulatory information

SARA Section 313 - Emission Reporting: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

2-Butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	111-76-2	1-5%

CERCLA Section 103:

2,2'-iminodiethanol, diethanolamine	111-42-2	100 lb

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

WARNING: This product can expose you to Amides, coco, N,N-bis(hydroxyethyl) and 2,2'-iminodiethanol, diethanolamine, which are known to the State of California to cause cancer, and Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

Issue date : 03/01/2023

Indication of changes:
new version.

NOTICE

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.